



May 10, 1976

Mr. Bruce Anderson  
National Park Service  
Southwest Region  
P. O. Box 728  
Santa Fe, New Mexico 87501

Dear Mr. Anderson:

At the request of Todilto Exploration and Development Corporation (TEDCO), an archeological survey of the Warnock Lease (T13N, R11W, Section 13, N $\frac{1}{2}$  of N $\frac{1}{2}$ ) was conducted on April 23 and 24, 1976 by the University of New Mexico, Office of Contract Archeology. The project was directed by David E. Stuart, with field reconnaissance by Charles H. Carroll and James G. Enloe.

The survey area is composed of two distinct topographic units: the steep north face of Haystack Mountain, and the relatively flat drainage to the north. Exploration proposed by TEDCO involves drilling on 100' grid centers in accessible flatlands and the construction of a zig-zag road up the north face of the mountain with drill holes at each turn. Mr. T. A. Schack of TEDCO was present in the survey area and indicated that some flexibility is possible to accomplish avoidance of archeological sites.

Eight archeological sites were revealed by this survey, two of which are of modern (post 1930) Navajo origin; the remainder are of prehistoric origin. (See enclosed map and inventory.) All sites are mapped, staked, flagged and photographed.

An occupied Navajo homestead composed of several structures and fenced corrals is located in the extreme northwest corner of the survey area. Discussion with the present occupant indicated that the abandoned hogan complex (assigned field number TEDCO 9) had been occupied by the father of the informant. A number of collapsed "sweat lodges" (TEDCO 6) lie between, and are contemporary with, the abandoned and occupied hogans. Since these historic sites do possess archeological research potential, it is recommended that they be avoided, or, if avoidance is not feasible, they should be documented through ethnographic method and explicit permission should be gained from the present occupants before any alteration is undertaken.

Six prehistoric Anasazi archeological sites were found, with tentative ceramic identification indicating occupation from Basketmaker III (ca. A.D. 1200). Four of these sites represent habitation or specialized

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activity areas, located on sandy knolls below the north base of Haystack Mountain, overlooking the potentially arable drainage to the north. TEDCO 2 and 3 are located on the upper benches of Haystack Mountain at an elevation of approximately 7600' and consist of a ceramic scatter (TEDCO 3) and the masonry remnants of a temporary shelter with associated cultural material. All sites are potentially subject to direct and indirect impact unless avoidance procedures are carefully planned and carried out.

The Anasazi sites revealed by this survey are particularly significant in view of the ongoing research of the U. S. Park Service, Chaco Center. This research indicates the existence of a regional cultural system centered on the San Juan Basin with outlying sites such as those in the area of Haystack Mountain integrated into a regional adaptation.

It is therefore recommended that archeological clearance be granted provided that all archeological sites listed in the attached inventory (and to be described and located in the full report to follow) are carefully avoided. If avoidance is not compatible with the objectives of the proposed mining explorations, a program of mitigation should be developed with an archeological research design cognizant of the research aims of the U. S. Park Service, Chaco Center.

Your earliest possible response to this matter will be greatly appreciated. Please address your response to:

Messrs. George Warnock and T. A. Schack  
Todilto Exploration & Development Corporation  
3620 Wyoming Blvd., N. E.  
Albuquerque, N. M. 87111

Thank you for your consideration.

Sincerely,

Charles H. Carroll  
by CES

Charles H. Carroll  
Supervisory Archeologist

David E. Stuart

David E. Stuart  
Research and Projects Coordinator

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Enclosures

cc: G. Warnock  
F. J. Broilo

## INVENTORY OF ARCHEOLOGICAL SITES

### TEDCO 2

Cultural/Temporal Type: Anasazi-PIII

Description: This site consists of a single masonry room, approximately 2m square. Two walls of dry-laid tabular sandstone are constructed perpendicular to a very large sandstone block, which forms the third wall and provides partial shelter. The east side was apparently left open. A sherd scatter, representing at least three vessels, is concentrated within 5m downslope. The site is located at an elevation of approximately 7600 ft., on an upper bench of Haystack Mountain.

Location: T13N, R11W, Section 13, SW $\frac{1}{4}$  of NE $\frac{1}{4}$  of NE $\frac{1}{4}$   
U.T.M. Coord: 3616750N, 0232010E

### TEDCO 3

Cultural/Temporal Type: Anasazi-PIII

Description: This site consists of a scatter of eleven sherds on a fairly level upper bench of Haystack Mountain. Most sherds were concentrated in a 3 x 3m area with a few extending 10 to 15m from the central concentration. All sherds were collected for laboratory analysis.

Location: T13N, R11W, Section 13, SE $\frac{1}{4}$  of NW $\frac{1}{4}$  of NE $\frac{1}{4}$   
U.T.M. Coord: 3916795N, 0231823E

### TEDCO 4

Cultural/Temporal Type: Anasazi-unknown

Description: Surface evidence indicates a special activity, processing area. The site was recorded as centering around a metate with lithics and possibly associated ceramics extending to a diameter of 15m. This site is located in partially stabilized dunes at the base of Haystack Mountain (elevation 7220 ft.) and the possibility of subsurface resources in this dune area seems high.

Location: T13N, R11W, Section 13, NW $\frac{1}{4}$  of NE $\frac{1}{4}$  of NW $\frac{1}{4}$   
U.T.M. Coord: 3917600N, 0232035E

### TEDCO 5

Cultural/Temporal Type: Anasazi-PIII

Description: This site consists of a sandstone rubble concentration, probably representing a one room field structure, overlooking the drainage north of Haystack Mountain. Cultural material was found within a 10m radius.

Location: T13N, R11W, Section 13, SE $\frac{1}{4}$  of NE $\frac{1}{4}$  of NW $\frac{1}{4}$   
U.T.M. Coord: 3916880N, 0231360E

TEDCO 6 Cultural/Temporal Type: Modern Navajo

Description: This site was recorded as a cluster of "sweat lodges." A total of five Navajo "sweat lodges" were found within a 150m radius, centered between an occupied hogan to the north and an abandoned hogan complex (TEDCO 9) to the southwest. Surface evidence consisted of remnants of stone or log shelters, burned stone and a hearth in each case. No cultural material was found associated with any of the proveniences.

Location: T13N, R11W, Section 13, SE $\frac{1}{4}$  of NW $\frac{1}{4}$  of NW $\frac{1}{4}$   
U.T.M. Coord: 3916925N, 0231000E

TEDCO 7 Cultural/Temporal Type: Anasazi-BMIII-PIII

Description: This site consists of two proveniences, representing Anasazi habitation areas utilized from Basketmaker III through Pueblo III. The site is located on a NW trending linear knoll in the alluvial bottom land. Overall site size is approximately 75m N/S x 40m E/W. The north border of section 13 passes through the site, between the two proveniences. Provenience 1, which is within the survey area is considered earlier on the basis of field identification of ceramics. A high frequency of sherds and some lithics were found within a 20m radius, and centered on a concentration of sandstone rubble. Provenience 2 is located approximately 15m north along the top of the knoll and is of roughly the same size with similar evidence, but has sherds which indicate a more recent date of deposition.

Location: T13N, R11W, Section 13, NE $\frac{1}{4}$  of NE $\frac{1}{4}$  of NW $\frac{1}{4}$   
T13N, R11W, Section 12, SE $\frac{1}{4}$  of SE $\frac{1}{4}$  of SW $\frac{1}{4}$   
U.T.M. Coord: 3917100N, 0231610E

TEDCO 8 Cultural/Temporal Type: Anasazi-BMIII-PIII

Description: This site is located on a wooded colluvial finger overlooking the drainage to the north. The site extends approximately 115m N/S x 30m E/W along the ridge top and was recorded as two proveniences. Provenience 1 consists of a possible complex of three Basketmaker pit houses with associated cultural material, and is south of provenience 2, which consists of a concentration of sandstone rubble indicating the existence of a two, or more, room surface structure with associated Pueblo III cultural material.

Location: T13N, R11W, Section 13, NW $\frac{1}{4}$  of NE $\frac{1}{4}$  of NW $\frac{1}{4}$   
U.T.M. Coord: 3917000N, 0231220E

TEDCO 9 Cultural/Temporal Type: Modern Navajo

Description: This site consists of a Navajo hogan complex of two to five hogans, with associated activity areas, corral and post 1930 trash, located at the base of an outcrop northwest of the base of Haystack Mountain. Two large (5.5-6m) sandstone hogans with standing walls of over 1m are present, with the probable bases of three more. This complex is probably associated with the earliest "sweat lodges" recorded as part of TEDCO 6.

Location: T13N, R11W, Section 13, NW $\frac{1}{4}$  of NW $\frac{1}{4}$  of NW $\frac{1}{4}$   
U.T.M. Coord: 3916960N, 0230800E

# ARCHEOLOGICAL SURVEY WARNOCK LEASE OCA PROJECT NO. 101-103V

